Amendments to The Claims

Please cancel Claims 37-38 without prejudice. Please amend Claims 32, 41, and 42. Please add Claims 52-53. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1-31. (Canceled)

32. (Currently amended) A recombinant vector comprising an isolated nucleotide sequence encoding an snRNA, wherein said snRNA-encoding nucleotide sequence has been modified to contain ~~one or more~~ a recognition site[[s]] for a dual cleavage restriction enzyme, such that digestion with a single said restriction enzyme excises from said vector a restriction fragment which includes said recognition site and forms insertion sites in said vector.

33. (Previously presented) The vector of Claim 32, wherein the snRNA is selected from the group of snRNAs with splicing functions.

34. (Previously presented) The vector of Claim 33, wherein the snRNA is U1 snRNA or U6 snRNA.

35. (Previously presented) The vector of Claim 34, wherein the snRNA is U1 and wherein said nucleotide sequence has been modified within the first 11 nucleotides of the coding region.

36. (Canceled)

37. (Canceled)

38. (Canceled)

39. (Previously presented) The vector of Claim 32 wherein the restriction enzyme is BaeI.

40. (Previously presented) The vector of Claim 39, wherein the insertion sites comprise the complements of DNA sequences of SEQ ID NO: 2 and SEQ ID NO: 3.

41. (Currently amended) The vector of Claim 32 wherein digestion with ~~at least one~~ the restriction enzyme excises a double stranded restriction fragment with single stranded overhangs at each end, and wherein the insertion sites comprise single stranded overhangs which are complementary to the single stranded overhangs of the restriction fragment.

42. (Currently amended) A recombinant vector comprising an isolated nucleotide sequence encoding an snRNA, wherein said snRNA-encoding nucleotide sequence comprises an insertion cassette between two insertion sites, wherein said two insertion sites are formed by digestion with a single double cleavage restriction enzyme to excise from said vector a restriction fragment that contains a recognition site for said restriction enzyme, and wherein said insertion cassette comprises a modification fragment comprising a nucleotide sequence complementary to a target.

43. (Previously presented) The vector of Claim 42 wherein the insertion cassette is contained between nucleotides 1 and 12 of the coding region of said nucleotide sequence.

44. (Previously presented) The vector of Claim 42, wherein the snRNA is selected from the group of snRNAs with splicing functions.

45. (Previously presented) The vector of Claim 44, wherein the snRNA is U1 snRNA or U6 snRNA.

46. (Previously presented) The vector of Claim 45, wherein the insertion cassette comprises a modification fragment of about 30 base pairs of DNA.

47. (Canceled)

48. (Previously presented) The vector of Claim 42 wherein the modification fragment is double stranded.

49. (Previously presented) The vector of Claim 42 wherein the restriction enzyme is BaeI.

50. (Previously presented) The vector of Claim 49, wherein the insertion sites comprise the complements of DNA sequences of SEQ ID NO: 2 and SEQ ID NO: 3.

51. (Previously presented) The vector of Claim 42 wherein each insertion site comprises a single stranded overhang and wherein each strand of the modification fragment comprises a nucleotide sequence which is complementary to one of the single stranded overhangs of the insertion sites.

52. (New) The vector of Claim 32, wherein said restriction enzyme is a Type II restriction enzyme.

53. (New) The vector of Claim 42, wherein said restriction enzyme is a Type II restriction enzyme.